PCT/EP2004/014645

and, if this box (□) contains an ×

and, if this box ( ) contains an x

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION Substitute Supplemental **⊠**Original As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Pharmaceutical Formulations of bisphosphonates the specification of which: is attached hereto. as Application No. was filed on and, if this box (□) contains an × was amended on (day/month/year) was filed as Patent Cooperation Treaty international Application No. X

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

was amended, subsequent to entry into the national stage, on

22.12.2004 (day/month/year)

entered the national stage in the United States and was accorded Application No.

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

(day/month/year)

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

			_			
COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	Р	RIORIT	Y CLA	IMED
				Yes		No
				Yes		No-
	•			Yes		No
				Yes		No
				Yes	□.	No
I hereby claim the benefit below:	under 35 U.S.C. 119(e) o	f any United States prov	visiona	al applic	ation(s	s) listed
APPLICATION NO.		FILING DATE (day/month/year)				
60/532334		23/12/2003		•		

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
, , , , , , , , , , , , , , , , , , , ,	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box  $(\Box)$  contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Erika Aina ZANNOU		
Inventor's signature	Euko A Zenno.	Date 16	06/06 ay/month/year)
Residence	Edison, NJ 08820, USA		
Citizenship	citizen of France		
Post Office Address	12 Mary Ellen Drive Edison, NJ 08820 USA		
Full name of second joint inventor, if any	Simon David BATEMAN		
Inventor's signature	Siron land Bateman		4 / 0 6 / 0 6 ay/month/year)
Residence	Randolph, NJ 07869, USA		
Citizenship	citizen of United Kingdom		
Post Office Address	4 Farrington Lane Randolph, NJ 07869 USA		

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of third joint inventor, if any	Madhusudhan PUDIPEDDI		
Inventor's signature		Date -	(day/month/year)
Residence	Edison, NJ 08826, USA	•	
Citizenship	citizen of United States Of America		
Post Office Address	51 Calvert Avenue East Edison, NJ 08826 USA		
Full name of fourth joint inventor, if any	Alan Edward ROYCE		
Inventor's signature	An Edward Nogre	Date -	/6/06/06 (day/month/year)
Residence	Saylorsburg, PA 18353, USA		
Citizenship	citizen of United States Of America		
Post Office Address	RR 4 Box 9LE Saylorsburg, PA 18353 USA		
Full name of fifth joint inventor, if any	Abu T. M. SERAJUDDIN		
Inventor's signature		Date –	(day/month/year)
			(day/month/year)
Residence	Queens, NY 11358, USA		
Citizenship	citizen of United States Of America		
Post Office Address	172-11 35 Avenue Flushing Queens, NY 11358 USA		

us. Case 33575-US-PCT

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION Substitute Supplemental **⊠**Original As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Pharmaceutical Formulations of bisphosphonates the specification of which: is attached hereto. as Application No. was filed on (day/month/year) and, if this box (□) contains an × was amended on (day/month/year) was filed as Patent Cooperation Treaty international Application No. $\boxtimes$ PCT/EP2004/014645 22.12.2004 (day/month/year) and, if this box (□) contains an × entered the national stage in the United States and was accorded Application No. and, if this box ( ) contains an \* was amended, subsequent to entry into the national stage, on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

(day/month/year)

US

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

15.14

			<del></del>	
COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORIT	Y CLAIMED
			☐ Yes	□ No
			☐ Yes	□ No
	•		☐ Yes	□ No
			☐ Yes	. D No
			☐ Yes	□ No
I hereby claim the benefit below:	under 35 U.S.C. 119(e) o	f any United States prov	visional applic	cation(s) listed
APPLICATION NO.		FILING DATE (day/month/year)		
60/532334		23/12/2003	•	. *

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box ( $\square$ ) contains an x  $\boxtimes$ , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Erika Aina ZANNOU		
Inventor's signature		Date _	(day/month/year)
Residence	Edison, NJ 08820, USA		
Citizenship	citizen of France		
Post Office Address	12 Mary Ellen Drive Edison, NJ 08820 USA		
Full name of second joint inventor, if any	Simon David BATEMAN		
Inventor's signature	·	Date _	(day/month/year)
Residence	Randolph, NJ 07869, USA		
Citizenship	citizen of United Kingdom		
Post Office Address	4 Farrington Lane Randolph, NJ 07869 USA		

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

	•		
Full name of third joint inventor, if any	Madhusudhan PUDIPEDDI		
Inventor's signature		Date	(dayler and his an)
			(day/month/year)
Residence	Edison, NJ 08826, USA	•	
Citizenship	citizen of United States Of America		
Post Office Address	51 Calvert Avenue East Edison, NJ 08826 USA		
Full name of fourth joint inventor, if any	Alan Edward ROYCE		
		-	
Inventor's signature		Date	•
			(day/month/year)
Residence	Saylorsburg, PA 18353, USA		
Citizenship	citizen of United States Of America		
Post Office Address	RR 4 Box 9LE Saylorsburg, PA 18353 USA		
Full name of fifth joint inventor, if any	Abu T. M. SERAJUDDIN		
Inventor's signature	Alen T.M. Sesgnivin	/ Date	14.06.06 (day/month/year)
Residence	Queens, NY 11358, USA		
Citizenship	citizen of United States Of America		
Post Office Address	172-11 35 Avenue Flushing Queens, NY 11358 USA		

## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

⊠Orig	inal		Supplemental		Substitute
As a be	elow named inventor, I here	by de	eclare that:		
My res	idence, post office address	and (	citizenship are as stated below next to	my r	name, and
and joi	ve I am the original, first an nt inventor (if more than on a United States patent is so	e nar	le inventor (if only one name is listed ne is listed below) of the subject matte on the invention entitled	belo er wh	w) or an original, first ich is claimed and for
Pharm	naceutical Formulations o	of bis	phosphonates		
the spe	ecification of which:				
	is attached hereto.				
	was filed on (da	y/mor	as Application No		·
	and, if this box (□) contain	ns an	×		
	□ was amended on	(da	ay/month/year)		
X	was filed as Patent Coope	ration	n Treaty international Application No.		
	PCT/EP2004/014645		on <u>22.12.2004</u> (day/month/year)		
	and, if this box (□) contain	ns an	<b>x</b> .		
	entered the nation	al sta	age in the United States and was acco	orded	Application No.
	and, if this box (□) contain	ns an			
	□ was amended, su	bseq	uent to entry into the national stage, o	n	(day/month/year)
					(uay/monulyear)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

I hereby claim the benefit under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate listed below and under 35 U.S.C. 365(a) of any Patent Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent, inventor's certificate or plant breeder's right certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	Р	RIORIT	Y CLA	IMED
				Yes		No
		•		Yes		No
•	•			Yes		No
				Yes		No <sub>.</sub>
				Yes		No
I hereby claim the benefit below:	t under 35 U.S.C. 119(e) o	f any United States prov	ision	al applic	ation(s	) listed
APPLICATION NO.		FILING DATE (day/month/year)				
60/532334		23/12/2003				

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) listed below and under 35 U.S.C. 365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below:

United States	United States	Status (Pending,	International		
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date	
	(day/month/year)	Patent No.)		(day/month/year)	

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (□) contains an x ☒, I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Erika Aina ZANNOU		
· .	Date	(day/month/year)
		• • • • • • • • • • • • • • • • • • • •
Edison, NJ 08820, USA		
citizen of France		
12 Mary Ellen Drive Edison, NJ 08820 USA		
Simon David BATEMAN		
	Date .	(day/month/year)
Randolph, NJ 07869, USA		
citizen of United Kingdom		
4 Farrington Lane Randolph, NJ 07869 USA		
	Edison, NJ 08820, USA citizen of France 12 Mary Ellen Drive Edison, NJ 08820 USA Simon David BATEMAN  Randolph, NJ 07869, USA citizen of United Kingdom 4 Farrington Lane Randolph, NJ 07869	Edison, NJ 08820, USA citizen of France 12 Mary Ellen Drive Edison, NJ 08820 USA Simon David BATEMAN  Date  Randolph, NJ 07869, USA citizen of United Kingdom 4 Farrington Lane Randolph, NJ 07869

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of third joint inventor, if any	Madhusudhan PUDIPEDDI		·
Inventor's signature	P. Medhadha	Date	26 /06 /2006 (day/month/year)
Residence	Edison, NJ 08826, USA		
Citizenship	citizen of United States Of America		
Post Office Address	51 Calvert Avenue East Edison, NJ 08826 USA		
Full name of fourth joint inventor, if any	Alan Edward ROYCE	·	
Inventor's signature	•	Date	(day/month/year)
Residence	Saylorsburg, PA 18353, USA		
Citizenship	citizen of United States Of America		
Post Office Address	RR 4 Box 9LE Saylorsburg, PA 18353 USA		
Full name of fifth joint inventor, if any	Abu T. M. SERAJUDDIN		·
Inventor's signature		Date	(day/month/year)
Residence	Queens, NY 11358, USA		
Citizenship	citizen of United States Of America		
Post Office Address	172-11 35 Avenue Flushing Queens, NY 11358 USA		